OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,816

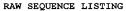
DATE: 08/13/2001 TIME: 10:45:18

Input Set : N:\Crf3\RULE60\09885816.txt
Output Set: N:\CRF3\08132001\1885816.raw

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3 <110> APPLICANT: Klein, Robert D.
        Brennan, Thomas J.
 7 <120> TITLE OF INVENTION: METHODS OF CREATING CONSTRUCTS USEFUL FOR INTRODUCING
        SEQUENCES INTO EMBRYONIC STEM CELLS
11 <130> FILE REFERENCE: 376472000200
13 <140> CURRENT APPLICATION NUMBER: 09/885,816
14 <141> CURRENT FILING DATE: 2001-06-19
16 <150> PRIOR APPLICATION NUMBER: 09/193,834
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17 <151> PRIOR FILING DATE: 1998-11-17
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21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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24 <211> LENGTH: 4768
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26 <213> ORGANISM: Plasmid vector
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1860



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Output Set: N:\CRF3\08132001\1885816.raw

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| 62         |             |              | acagcccagc              |              |               |              | 2040 |
| 63         | tacctacagc  | gtgagctatg   | agaaagcgcc              | acgcttcccg   | aagggagaaa    | ggcggacagg   | 2100 |
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| 65         |             |              | tgtcgggttt              |              |               |              | 2220 |
| 66         | tgatgctcgt  | caggggggcg   | gagcctatgg              | aaaaacgcca   | gcaacgcggc    | ctttttacgg   | 2280 |
| 67         | ttcctggcct  | tttgctggcc   | ttttgctcac              | atgtaatgtg   | agttagctca    | ctcattaggc   | 2340 |
| 68         | accccaggct  | ttacacttta   | tgcttccggc              | tcgtatgttg   | tgtggaattg    | tgagcggata   | 2400 |
| 69         | acaatttcac  | acaggaaaca   | gctatgacca              | tgattacgcc   | aagctacgta    | atacgactca   | 2460 |
| 70         | ctaggcggcc  | gcgtttaaac   | aatgtgctcc              | tctttggctt   | gcttccgcgg    | gccaagccag   | 2520 |
| 71         | acaagaacca  | gttgacgtca   | agcttcccgg              | gacgcgtgct   | agcggcgcgc    | cgaattcctg   | 2580 |
| 72         | caggattcga  | gggcccctgc   | aggtcaattc              | taccgggtag   | gggaggcgct    | tttcccaagg   | 2640 |
| 73         | cagtctggag  | catgcgcttt   | agcagccccg              | ctggcacttg   | gcgctacaca    | agtggcctct   | 2700 |
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| 76         |             |              | tggaagtagc              |              |               |              | 2880 |
| 77         |             |              | gggtaggcct              |              |               |              | 2940 |
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| 92         |             |              | tggctacccg              |              |               |              | 3840 |
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| 99         | cccacyacaa  | estacesete   | atgatctata              | gatctataga   | tctctcataa    | gatcattgtt   | 4260 |
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|            | tercettige  | a coccacto   | gragaretet              | ttecacata    | c actteattet  | cagtattgtt   | 4380 |
| 101<br>102 | tageergaag  | aacyayatca   | . geageerer             | ctctacatac   | - ggatccgcc   | agctaggccg   | 4440 |
| 102        | ttgccaagti  | _ ctaattccat | . cayaayutga            | togototot    | teesttese     | tcaacaacec   | 4500 |
|            |             |              |                         |              |               | tegacgacac   | 4560 |
| 104        |             |              |                         |              |               | aagtgagtcg   | 4620 |
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| 106        | cttaatcgc   | : ctgcagcaca | a tececetti             | , godagolggo | y caacaycy    | a agaggcccgc | 4740 |
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Input Set : N:\Crf3\RULE60\09885816.txt
Output Set: N:\CRF3\08132001\1885816.raw

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152 ggaqctaacc qcttttttgc acaacatggg ggatcatgta actcgccttg atcgttggga

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2220

2280

2340

2400 2460

2520 2580

2640

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Input Set : N:\Crf3\RULE60\09885816.txt
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| 163 | gttgttccag | tttggaacaa | gagtccacta               | ttaaagaacg | tggactccaa | cgtcaaaggg | 2880         |
| 164 | cgaaaaaccg | tctatcaggg | cgatggccca               | ctacgtgaac | catcacccaa | atcaagtttt | 2940         |
| 165 | ttggggtcga | ggtgccgtaa | agcactaaat               | cggaacccta | aagggagccc | ccgatttaga | 3000         |
| 166 | gcttgacggg | gaaagcgaac | gtggcgagaa               | aggaagggaa | gaaagcgaaa | ggagcgggcg | 3060         |
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|     |            |            | gttttcgttc               |            |            |            | 3240         |
|     |            |            | tttttttctg               |            |            |            | 3300         |
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| 172 | gtaactggct | tcagcagagc | gcagatacca               | aatactgttc | ttctagtgta | gccgtagtta | 3420         |
| 173 | ggccaccact | tcaagaactc | tgtagcaccg               | cctacatacc | tcgctctgct | aatcctgtta | 3480         |
| 174 | ccagtggctg | ctgccagtgg | cgataagtcg               | tgtcttaccg | ggttggactc | aagacgatag | 3540         |
| 175 | ttaccggata | aggcgcagcg | gtcgggctga               | acggggggtt | cgtgcacaca | gcccagcttg | 3600         |
| 176 | gagcgaacga | cctacaccga | actgagatac               | ctacagcgtg | agctatgaga | aagcgccacg | 3660         |
| 177 | cttcccgaag | ggagaaaggc | ggacaggtat               | ccggtaagcg | gcagggtcgg | aacaggagag | 3720         |
| 178 | cgcacgaggg | agcttccagg | gggaaacgcc               | tggtatcttt | atagtcctgt | cgggtttcgc | 3780         |
|     |            |            | atttttgtga               |            |            |            | 3840         |
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| 181 | taatgtgagt | tagctcactc | attaggcacc               | ccaggettta | cactttatgc | ttccggctcg | 3960         |
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|     |            |            | cgactcacta               |            |            |            |              |
| 184 | ttggcttgct | teegegggee | aagccagaca               | agaaccagtt | gacgtcaagc | tteeegggae | 4140<br>4200 |
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| 203 | agccgaactg | ttcgccagg  | tcaaggcgcg               | catgcccgac | ggcgatgatc | togtogtgac | 5280         |
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| 205 | caactataac | caactaaata | tggcggaccg               | ctatcaggac | atagogttgg | ctacccgtga | 5400         |
| 206 | tattqctqaa | gagettggeg | gcgaatgggc               | tgaccgcttc | ctcgtgcttt | acggtatcgc | 5460         |
| 207 | cgctcccgat | togcagogca | tegeetteta               | tegeettett | gacgagttct | tctgagggga | 5520         |
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## RAW SEQUENCE LISTING

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| 258 <213> ORGANISM: Plasmid vector   |  |
| 260 <400> SEQUENCE: 7  | 28   |
| 261 aaggtootog ototgtgtoo gttgagot<br>263 <210> SEQ ID NO: 8   | 20   |
| 263 <210> SEQ 1D NO: 6<br>264 <211> LENGTH: 24   |  |
| 265 <212> TYPE: DNA  |  |
| 266 <213> ORGANISM: Plasmid vector   |  |
| 268 <400> SEQUENCE: 8  |  |
| 269 caacggacac agagcgagga cctt   | 24   |
|  |  |

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/885,816

DATE: 08/13/2001 TIME: 10:45:19

Input Set : N:\Crf3\RULE60\09885816.txt Output Set: N:\CRF3\08132001\1885816.raw